

REMARKS**I. Status of the Claims**

Claims 1-15 are canceled.

Claims 16-21 are elected for prosecution. (Group I)

Claims 22-39 are withdrawn.

II. Election of Species

In response to the Non-compliant Amendment, Applicant elects the following species as follows:

1. Genetic strains with mutations for each category: sapje (sap) tm90c;
2. Muscular dystrophy or cardiomyopathy: muscular dystrophy;
3. Administration by addition to fish raising media or direct administration: addition to fish raising media;
4. Optical inspection of living muscle tissue, birefringency of muscle tissue using polarized light, green fluorescent protein, immunohistochemistry, or *in situ* hybridization: optical inspection of living tissue; and
5. Chemical or nucleic: chemical.

No fees are believed due at this time, however, please charge any deficiencies or credit any overpayments to deposit account number 12-0913 with reference to our attorney docket number (36180-100472).

Respectfully submitted,



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